



WhatsGPS

4G Vehicle GPS Tracker

Model:S100

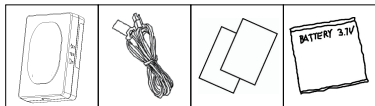


User Manual

Quick starting

1. Correct install SIM card, Backup battery, Power line
2. Switch on the device, and make sure all indicate light working (P6)

Accessories



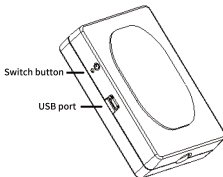
Main machine

Power line

Sticker

Backup battery

Appearance and interface



● Operation of switch button

Under the status of switch off: Long press this button for 3 seconds to boot
Under the status of switch on: Long press this button for 3 seconds to shut down

Note: This button is in recessed design, please use sharp objects such as nib

Installation method

1. Install SIM card and backup battery Open the battery cover, insert the SIM card and fasten it, and then install the backup battery and close the battery cover.

2. Install the device

The device is recommended to be installed by a professional organization designated by the dealer, and pay attention to the following:

- 1) In order to avoid thief damage, the device installation should be as concealed as possible;
- 2) Avoid being placed with the launch source, such as reversing radar, other in-vehicle communication equipment, etc.;
- 3) Avoid high temperature and high humidity environment;
- 4) Use strapping or double-sided adhesive tape to avoid affecting the effect of vibration detection;
- 5) Make sure that the front side (printed with This Side Up) is facing up, and there is no metal covering on the top;

3. Install power line

1) The standard power supply of this equipment is 9V ~ 30V (for cars, motorcycles) or 30V ~ 72V (for electric bicycles), the red line is the positive pole of the power supply, and the black line is the negative pole of the power supply;

2) Please select a separate grounding for the negative pole of the power supply, and do not connect it with other grounding wires;

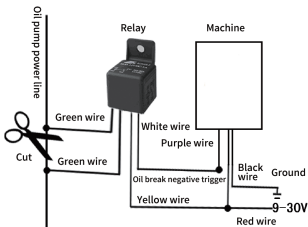
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4. Wire diagram

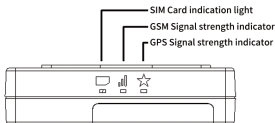
As below picture:



Interface line description

Color	Description
Red	Positive, connect with the positive of E-bike/Motorcycle
Black	Negative, connect with ground wire
Orange	ACC detection, Connect the electric door lock of the E-bike or the ACC line of the motorcycle.
Purple	Cut off oil wire

Status indication



1. SIM Card indication light

Status	Meaning
Bright	Device is turned on and the SIM card is normal
Slow flash	Device is turned on but the SIM card is not working properly
Dark	Not booting

2. GSM Signal strength indicator

Status	Meaning
Bright	Full signal
Slow flash	3 signal level
Fast flash	1-2 signal level
Dark	No signal

3. GPS Signal strength indicator

Status	Meaning
Bright	Positioning success
Slow flash	Search for satellites but can't locate
Fast flash	GPS module is working but no satellite signal is found
Dark	GPS module is turned off or not working properly

Platform tracking

Operation of platform logging

1. Download APP and installed it, open and logging your account (Account/final 6 numbers of IMEI)
2. Multiple device management, it required dealer account The website is www.whatsgps.com

Command description

1. Activate

Use your mobile phone to send text messages to the tracker: SZMM, initial password, new password, tracker phone number. The initial password is 123456, and the new password is set by the user.

Command: **SZMM, initial password, new password, phone number**

[Example]: SZMM, 123456, 123456, 138XXXXXXXXX

The "138XXXXXXXXX" is the phone number of the card inserted in the tracker.

After receiving the prompt message, the owner can perform other SMS command operations or online check operations. APN Command

2. SMS operation

1) Set password

The method is the same as the "Activate" operation in

the previous section.

2) Address information positioning

Command: **DW** , sent to the tracker phone number, and the tracker will reply to the Chinese text message, which describes the current location of the vehicle. For example: near the XX Building, XX Road, XX City, XX Province.

3) Longitude and latitude positioning

Command: **DWJW** , sent to the tracker phone number, and the tracker will reply to the location parameters (latitude and longitude and base station number) to which the vehicle belongs, without returning a specific textual description of the location.

4) Fortification

Command: **SF** , sent to the tracker phone number. After the setting is successful, the vehicle will be alerted by SMS when the vehicle is illegally moved or illegally vibrated.

5) Disarming

Command: **CF** , sent to the tracker phone number. After the setup is successful, the tracker returns to normal.

3. Turn on vibration SMS notification:

SZCS, password, VIB=1

Turn off vibration SMS notification:

SZCS, password, VIB=0

[Note]: The factory defaults to turn off. If you need this function, please turn it on yourself and you can alarm in the armed state.

4. Turn on vibration phone notification:

SZCS, password, VIBCALL=1

Turn off vibrate phone notification:

SZCS, password, VIBCALL=0 (default)

5. Turn on speeding SMS notification:

SZCS, password, SPEED = 130

(Speeding 130 km is SMS alarm, the value is freely set)

Turn off speeding SMS notifications:

SZCS, password, SPEED =0 (default)

6. Turn on the power off and low power alarm:

SZCS, password, POF=1 (default)

Turn off power off and low power alarms:

SZCS, password, POF=0

7. Turn on power off alarm report:

SZCS, password, POFSW =1

Turn off power off alarm report:

SZCS, password, POFSW =0

8. Turn on vibration alarm report:

SZCS, password, VIBS =1

9. Dial the tracker mobile phone card number for 15 seconds (three ticks around the beep is fortification)
Call the tracker card number again for 5 seconds
(After hang up and hang up is to disarm)

Loop this way

SMS code: **SZCS, password, CALLDISP=1** (factory default)

(The owner number dial is valid, but the locator card number needs to be activated for caller ID!)

SMS code: **SZCS, password, CALLDISP=0** (requires the owner to set it himself)

(Any number dial is valid, the locator card number does not need to open caller ID!)

10. Turn on sleep mode: **SZCS, password, SLEEP =1**

Turn off sleep mode: **SZCS, password, SLEEP =0**
(default)

(Auto Sleep Description: Automatically enters the sleep power saving state after more than 30 minutes of rest.

Immediately wake up with vibration, or the owner dials the locator card number to wake up)

11. Turn on the displacement alarm:

SZCS, password, OUTSMS =1

Turn off displacement alarm:

SZCS, password, OUTSMS =0

12. Restore factory settings SMS: **Format**

13. Query password SMS: **cxcs, psw**

14. For the use of Taiwan and foreign countries, you need to set APN

(To send the binding information to the machine after the client binds the message, send the following information settings)

APN, CMNET (6 is a fixed value; CMNET first indicates the name of this account, optional; CMNET second represents APN)

Device Parameter

1. GPS

Tracking sensitivity: < -160dBm

TTFB(Open Sky): Avg.hot start ≤5s

Avg.cold start ≤45s

Location accuracy: 10m

Speed accuracy: 0.3m/s

2. GMS frequency

B1/B2/B3/B4/B5/B7/B8/B28@FDD LTE; B40@TDD

LTE;

B1/B2/B5/B8@WCDMA; B2/B3/B5/B8@GSM

3. Other parameter

1. GPS

Tracking sensitivity: < -160dBm

TTFF(Open Sky): Avg.hot start $\leq 5s$

Avg.cold start $\leq 45s$

Location accuracy: 10m

Speed accuracy: 0.3m/s

2. GMS frequency

B1/B2/B3/B4/B5/B7/B8/B28@FDD LTE; B40@TDD
LTE;

B1/B2/B5/B8@WCDMA; B2/B3/B5/B8@GSM

3. Other parameter

Device size: 78mm \times 52mm \times 20mm

Working voltage: 9V \sim 30V(motorcycle); 30V \sim
72V(E-bike)

Maximum operating current: < 500mA (15V)

Normal mode operating current: < 20mA (15V)

Sleep mode current: < 3mA (15V)

Working temperature: -20 $^{\circ}C$ \sim +70 $^{\circ}C$

Working humidity: 20 \sim 95%

Troubleshooting

After installing it in the first time, if device can not get connected with platform server, at this time it is "logged off" status in platform. Please check the installation of device:

- 1) Check whether the connection of power-line is correct, please do not connect it with the car control line.
- 2) Check whether SIM card is installed correctly, please refer to the installation manual;
- 3) Whether ACC ignition cable is connected, please turn on the ACC with key after it is connected.
- 4) Check the LEDs' status. In normal working status, the red LED is in solid bright or flashing; and blue LED are both in solid bright.
- 5) Check whether GPS is located, if not, please drive to the open areas for positioning.

If it is "offline" status in platform:

First of all, check the LEDs' status. If it is not convenient to check that, please check the SIM card status :

- 1) Call the SIM card number of the device to check whether you can get through;
- 2) Check whether the vehicle is in no GSM area, such

as basement;

3) Check the GSM/GPS disconnection area, whether it is all disconnected or few of them disconnected, to make sure whether it is the fault of operator' s internet.

4) Check whether your SIM card charge is overdue;

5) Check whether the SIM card supports GPRS;

6) Check the parameter setup, whether the device IMEI number, GPRS sending interval is correct;

If the device' GPS function is normal, but can not locate for a long time, please check whether the installation setup of device is correct:

1) Please make sure the GPS antenna face is up;

2) Please make sure there is no electromagnetic wave- absorbent object (metal) above the device, especially the thermal-protective coating on the windshield, it may affect the GPS reception of the device;

If GPS can not receive the signals normally (there is high building around to interfere with GPS reception), please drive to the open areas for positioning. Generally, it needs 1-2 minutes to receive the first coordinates.

If GSM can not receive the signals normally , please

check whether SIM card is installed correctly or there is no GSM signal at the location you are, such as basement parking, please drive to a place covered by GSM signal reception.

When cellphone with special number receives tele-cutoff alarm sms, please make sure whether it is illegal wire cutoff, or the FUSE on power line is blown. If the FUSE in it is blown, please contact your distributor to exchange with the same model FUSE, after the internal trouble is shoot, it can be power on to work again.

When cellphone with special number receives tele-cutoff alarm sms, please make sure whether it is illegal wire cutoff, or the FUSE on power line is blown. If the FUSE in it is blown, please contact your distributor to exchange with the same model FUSE, after the internal trouble is shoot, it can be power on to work again.

Special statement:

1. If there are any technical changes in the future, we will not notify you.
2. In case of any change in product appearance or color, the real product shall prevail.
3. Please properly keep this warranty card. Please present this card and the original purchase receipt

when you guarantee.

li. Warranty regulations

(1) from the date of purchase, non-human for damage fault enjoy a two-year warranty, one year for a new service.

(2) one of the following cases is not covered by the warranty, but can be paid for maintenance.

4. Over warranty period;

5. No "warranty service card" voucher or missing valid bill;

6. When the warranty period of terminals and accessories has expired;

7. Product quality problems caused by unauthorized maintenance, collision, liquid injection, accident, modification and incorrect input voltage, or tearing or altering labels, terminal IMEI number and anti-counterfeit marks;

8. Failure to follow the requirements of the product manual and damage caused by incorrect installation or use;

9. Damage caused by fire, flood, lightning and other force majeure.

10. The warranty certificate is inconsistent with the product model or the warranty certificate is altered;

11. Damage caused by force majeure.

After-sales service

1. The products are subject to technical changes without prior notice

Please refer to the material object for appearance and color

3. The warranty card is applicable to IMEI products specified in the following table

4. Please keep the card and receipt for after-sales service

5. The following is for warranty reference

Warranty card

Maintenance record	
Maintenance shop	
Sending date	
Fault description	
Maintenance situation	
IMEI number	
Maintenance person	

Maintenance record	
Maintenance shop	
Sending date	
Fault description	
Maintenance situation	
IMEI number	
Maintenance person	